```
=> fil reg; d que 15
FILE 'REGISTRY' ENTERED AT 10:51:39 ON 28 APR 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   27 APR 2003   HIGHEST RN 506405-59-0
DICTIONARY FILE UPDATES:  27 APR 2003   HIGHEST RN 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf
```

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L3          20 SEA FILE=REGISTRY ABB=ON   CGUGUAGGGGUCCCGUGCUGUCAA|UUGACAGCACGG
               GACCCCUACUCG|GUUCCCAGUGAAGCUGCGAUCUGG|CCAGAUCGCAGCUUCACUGGGAAC|
               GCGAGCGUACCGAAGGGCCUAGAA|UUCUAGGCCCUUCGGUACGCUCGC|GGUACAUGCACUA
               CGCGCACUCGG|CCGAGUGCGCGUAGUGCAUGUACC|GAGAACUGAUCGCUGAGGGGCAUG|C
               AUGCCCCUCAGCGAUCAGUUCUC/SQSN
L4          20 SEA FILE=REGISTRY ABB=ON   CCGACGGAGGAUGAAGACAAUCAC|GUGAUUGUCUUC
               AUCCUCCGUCGG|UGUUGAAGCGAGCUAAAACGGCCA|UGGCCGUUUUAGCUCGCUUCAACU|
               CACGAGAUACCGGCGUAAGGGUGG|CCACCCUUACGCCGGUAUCUCGUG|AAUCGACCUCCGC
               ACACAUUCGCA|UGCGAAUGUGUGCGGAGGUCGAUU|AGAUAAAGACGCUGGCAACACGGG|C
               CCGUGUUGCCAGCGUCUUUAUCU/SQSN
L5          40 SEA FILE=REGISTRY ABB=ON   (L3 OR L4) AND SQL<101
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Handwritten annotation at right of L3: Seq 15, 18, 38, 44, 53 & complements

Handwritten annotation at right of L4: Seq 74, 112, 117, 120, 122 & complements

```
=> d rn cn kwic nte lc 15 1-40

L5   ANSWER 1 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   437584-75-3  REGISTRY
CN   GenBank AX448218 (9CI)   (CA INDEX NAME)
SQL  25

SEQ    1 tcgtgtaggg gtcccgtgct gtcaa
         ========== ========== =====
HITS AT:   2-25

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK

L5   ANSWER 2 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   437579-05-0  REGISTRY
CN   GenBank AX447648 (9CI)   (CA INDEX NAME)
SQL  25

SEQ    1 tagataaaga cgctggcaac acggg
         ========== ========== =====
HITS AT:   2-25
```

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 3 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437579-03-8   REGISTRY
CN   GenBank AX447646 (9CI)   (CA INDEX NAME)
SQL   **25**

SEQ   1 taatcgacct ccgcacacat tcgca
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 4 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437579-00-5   REGISTRY
CN   GenBank AX447643 (9CI)   (CA INDEX NAME)
SQL   **25**

SEQ   1 tcacgagata ccggcgtaag ggtgg
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 5 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437578-96-6   REGISTRY
CN   GenBank AX447639 (9CI)   (CA INDEX NAME)
SQL   **25**

SEQ   1 ttgttgaagc gagctaaaac ggcca
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 6 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437578-58-0   REGISTRY
CN   GenBank AX447601 (9CI)   (CA INDEX NAME)
SQL   **25**

SEQ   1 tccgacggag gatgaagaca atcac
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 7 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437578-38-6   REGISTRY
CN   GenBank AX447581 (9CI)   (CA INDEX NAME)
SQL   **25**

SEQ   1 tgagaactga tcgctgaggg gcatg
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 8 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437578-29-5   REGISTRY
CN   GenBank AX447572 (9CI)   (CA INDEX NAME)
SQL 25

SEQ   1 tggtacatgc actacgcgca ctcgg
           ========== ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 9 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437578-24-0   REGISTRY
CN   GenBank AX447567 (9CI)   (CA INDEX NAME)
SQL 25

SEQ   1 tgcgagcgta ccgaagggcc tagaa
           ========== ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 10 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437578-04-6   REGISTRY
CN   GenBank AX447547 (9CI)   (CA INDEX NAME)
SQL 25

SEQ   1 tgttcccagt gaagctgcga tctgg
           ========== ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 11 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437525-13-8   REGISTRY
CN   GenBank AX443667 (9CI)   (CA INDEX NAME)
SQL 24

SEQ   1 agataaagac gctggcaaca cggg
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 12 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437525-11-6   REGISTRY
CN   GenBank AX443665 (9CI)   (CA INDEX NAME)
SQL 24

SEQ   1 aatcgacctc cgcacacatt cgca
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 13 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437525-08-1   REGISTRY
CN   GenBank AX443662✓(9CI)   (CA INDEX NAME)
SQL **24**

SEQ   1 cacgagatac cggcgtaagg gtgg
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 14 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437525-03-6   REGISTRY
CN   GenBank AX443657✓(9CI)   (CA INDEX NAME)
SQL **24**

SEQ   1 tgttgaagcg agctaaaacg gcca
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 15 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-65-7   REGISTRY
CN   GenBank AX443619✓(9CI)   (CA INDEX NAME)
SQL **24**

SEQ   1 ccgacggagg atgaagacaa tcac
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 16 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-44-2   REGISTRY
CN   GenBank AX443598✓(9CI)   (CA INDEX NAME)
SQL **24**

SEQ   1 gagaactgat cgctgagggg catg
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 17 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-35-1   REGISTRY
CN   GenBank AX443589✓(9CI)   (CA INDEX NAME)
SQL **24**

SEQ   1 ggtacatgca ctacgcgcac tcgg
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 18 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-29-3   REGISTRY
CN   GenBank AX443583 (9CI)   (CA INDEX NAME)
SQL   **24**

SEQ   1 gcgagcgtac cgaagggcct agaa
            ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 19 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-09-9   REGISTRY
CN   GenBank AX443563 (9CI)   (CA INDEX NAME)
SQL   **24**

SEQ   1 gttcccagtg aagctgcgat ctgg
            ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 20 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   437524-06-6   REGISTRY
CN   GenBank AX443560 (9CI)   (CA INDEX NAME)
SQL   **24**

SEQ   1 cgtgtagggg tcccgtgctg tcaa
            ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: GENBANK

L5   ANSWER 21 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   403062-46-4   REGISTRY
CN   DNA, d(T-C-G-T-G-T-A-G-G-G-G-T-C-C-C-G-T-G-C-T-G-T-C-A-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   3923: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ   1 tcgtgtaggg gtcccgtgct gtcaa
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 22 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   403056-76-8   REGISTRY
CN   DNA, d(T-A-G-A-T-A-A-A-G-A-C-G-C-T-G-G-C-A-A-C-A-C-G-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:

CN   3353: PN: WO0216649 TABLE: 4 claimed sequence
SQL **25**

SEQ   1 tagataaaga cgctggcaac acggg
           ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 23 OF 40 REGISTRY COPYRIGHT 2003 ACS
RN   403056-74-6 REGISTRY
CN   DNA, d(T-A-A-T-C-G-A-C-C-T-C-C-G-C-A-C-A-C-A-T-T-C-G-C-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   3351: PN: WO0216649 TABLE: 4 claimed sequence
SQL **25**

SEQ   1 taatcgacct ccgcacacat tcgca
           ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 24 OF 40 REGISTRY COPYRIGHT 2003 ACS
RN   403056-71-3 REGISTRY
CN   DNA, d(T-C-A-C-G-A-G-A-T-A-C-C-G-G-C-G-T-A-A-G-G-G-T-G-G) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   3348: PN: WO0216649 TABLE: 4 claimed sequence
SQL **25**

SEQ   1 tcacgagata ccggcgtaag ggtgg
           ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 25 OF 40 REGISTRY COPYRIGHT 2003 ACS
RN   403056-67-7 REGISTRY
CN   DNA, d(T-T-G-T-T-G-A-A-G-C-G-A-G-C-T-A-A-A-A-C-G-G-C-C-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   3344: PN: WO0216649 TABLE: 4 claimed sequence
SQL **25**

SEQ   1 ttgttgaagc gagctaaaac ggcca
           ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 26 OF 40 REGISTRY COPYRIGHT 2003 ACS
RN   403056-29-1 REGISTRY
CN   DNA, d(T-C-C-G-A-C-G-G-A-G-G-A-T-G-A-A-G-A-C-A-A-T-C-A-C) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:

CN   3306: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ   1 tccgacggag gatgaagaca atcac
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 27 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   403056-09-7   REGISTRY
CN   DNA, d(T-G-A-G-A-A-C-T-G-A-T-C-G-C-T-G-A-G-G-G-C-A-T-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   3286: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ   1 tgagaactga tcgctgaggg gcatg
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 28 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   403056-00-8   REGISTRY
CN   DNA, d(T-G-G-T-A-C-A-T-G-C-A-C-T-A-C-G-C-G-C-A-C-T-C-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   3277: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ   1 tggtacatgc actacgcgca ctcgg
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 29 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   403055-95-8   REGISTRY
CN   DNA, d(T-G-C-G-A-G-C-G-T-A-C-C-G-A-A-G-G-G-C-C-T-A-G-A-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   3272: PN: WO0216649 TABLE: 4 claimed sequence
SQL   **25**

SEQ   1 tgcgagcgta ccgaagggcc tagaa
            ========= ========== =====
HITS AT: 2-25

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 30 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   403055-75-4   REGISTRY
CN   DNA, d(T-G-T-T-C-C-C-A-G-T-G-A-A-G-C-T-G-C-G-A-T-C-T-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:

```
CN   3252: PN: WO0216649 TABLE: 4 claimed sequence
SQL  25


SEQ      1 tgttcccagt gaagctgcga tctgg
           ========== ========== =====
HITS AT:    2-25
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RELATED SEQUENCES AVAILABLE WITH SEQLINK
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LC   STN Files:   CA, CAPLUS


L5   ANSWER 31 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402710-49-0  REGISTRY
CN   DNA, d(C-G-T-G-T-A-G-G-G-G-T-C-C-C-G-T-G-C-T-G-T-C-A-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   15: PN: WO0216649 SEQID: 15 unclaimed sequence
SQL  24


SEQ      1 cgtgtagggg tcccgtgctg tcaa
           ========== ========== ====
HITS AT:    1-24
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RELATED SEQUENCES AVAILABLE WITH SEQLINK
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LC   STN Files:   CA, CAPLUS


L5   ANSWER 32 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-89-6  REGISTRY
CN   DNA, d(A-G-A-T-A-A-A-G-A-C-G-C-T-G-G-C-A-A-C-A-C-G-G-G) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   22: PN: WO0216649 SEQID: 122 claimed sequence
SQL  24


SEQ      1 agataaagac gctggcaaca cggg
           ========== ========== ====
HITS AT:    1-24
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RELATED SEQUENCES AVAILABLE WITH SEQLINK
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LC   STN Files:   CA, CAPLUS


L5   ANSWER 33 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-87-4  REGISTRY
CN   DNA, d(A-A-T-C-G-A-C-C-T-C-C-G-C-A-C-A-C-A-T-T-C-G-C-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   20: PN: WO0216649 SEQID: 120 claimed sequence
SQL  24


SEQ      1 aatcgacctc cgcacacatt cgca
           ========== ========== ====
HITS AT:    1-24
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RELATED SEQUENCES AVAILABLE WITH SEQLINK
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LC   STN Files:   CA, CAPLUS


L5   ANSWER 34 OF 40  REGISTRY  COPYRIGHT 2003 ACS
RN   402704-84-1  REGISTRY
CN   DNA, d(C-A-C-G-A-G-A-T-A-C-C-G-G-C-G-T-A-A-G-G-G-T-G-G) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
```

CN   17: PN: WO0216649 SEQID: 117 claimed sequence
SQL **24**

SEQ   1 cacgagatac cggcgtaagg gtgg
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 35 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   402704-79-4 REGISTRY
CN   DNA, d(T-G-T-T-G-A-A-G-C-G-A-G-C-T-A-A-A-A-C-G-G-C-C-A) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   12: PN: WO0216649 SEQID: 112 claimed sequence
SQL **24**

SEQ   1 tgttgaagcg agctaaaacg gcca
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 36 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   402704-41-0 REGISTRY
CN   DNA, d(C-C-G-A-C-G-G-A-G-G-A-T-G-A-A-G-A-C-A-A-T-C-A-C) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   74: PN: WO0216649 SEQID: 74 claimed sequence
SQL **24**

SEQ   1 ccgacggagg atgaagacaa tcac
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 37 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   402704-20-5 REGISTRY
CN   DNA, d(G-A-G-A-A-C-T-G-A-T-C-G-C-T-G-A-G-G-G-G-C-A-T-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:
CN   53: PN: WO0216649 SEQID: 53 claimed sequence
SQL **24**

SEQ   1 gagaactgat cgctgagggg catg
           ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 38 OF 40   REGISTRY   COPYRIGHT 2003 ACS
RN   402704-11-4 REGISTRY
CN   DNA, d(G-G-T-A-C-A-T-G-C-A-C-T-A-C-G-C-G-C-A-C-T-C-G-G) (9CI)   (CA INDEX
      NAME)
OTHER NAMES:

CN   44: PN: WO0216649 SEQID: 44 claimed sequence
SQL **24**

SEQ   1 ggtacatgca ctacgcgcac tcgg
            ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 39 OF 40 REGISTRY COPYRIGHT 2003 ACS
RN   402704-05-6 REGISTRY
CN   DNA, d(G-C-G-A-G-C-G-T-A-C-C-G-A-A-G-G-G-C-C-T-A-G-A-A) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   38: PN: WO0216649 SEQID: 38 claimed sequence
SQL **24**

SEQ   1 gcgagcgtac cgaagggcct agaa
            ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

L5   ANSWER 40 OF 40 REGISTRY COPYRIGHT 2003 ACS
RN   402703-85-9 REGISTRY
CN   DNA, d(G-T-T-C-C-C-A-G-T-G-A-A-G-C-T-G-C-G-A-T-C-T-G-G) (9CI)   (CA INDEX
     NAME)
OTHER NAMES:
CN   18: PN: WO0216649 SEQID: 18 claimed sequence
SQL **24**

SEQ   1 gttcccagtg aagctgcgat ctgg
            ========== ========== ====
HITS AT: 1-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC   STN Files: CA, CAPLUS

=> fil capl; s l5
FILE 'CAPLUS' ENTERED AT 10:52:54 ON 28 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 28 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 27 Apr 2003 (20030427/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

L6   1 L5

=> d ibib ab hitrn 16; fil hom

L6   ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:158034   CAPLUS
DOCUMENT NUMBER: 136:227874
TITLE: Adapter molecules and universal arrays and their use
                            in detection of targets
INVENTOR(S):   Gunderson, Kevin
PATENT ASSIGNEE(S):   Illumina, Inc., USA
SOURCE: PCT Int. Appl., 261 pp.
                            CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

        PATENT NO.   KIND DATE   APPLICATION NO. DATE
        -------------- ---- --------   --------------- --------
        WO 2002016649   A2   20020228   WO 2001-US26519 20010827
        WO 2002016649   A3   20030313
            W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
                CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
                GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
                LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
                PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
                UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
            RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
                DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
                BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
        AU 2001088393   A5   20020304   AU 2001-88393   20010827
PRIORITY APPLN. INFO.:   US 2000-227948P P 20000825
                                            US 2000-228854P P 20000829
                                            WO 2001-US26519 W 20010827
AB   The present invention is directed to improved methods and compns. for the
     use of adapter sequences on arrays in a variety of multiplexed nucleic
     acid reactions, including synthesis reactions, amplification reactions,
     and genotyping reactions. Thus, a method for immobilizing target nucleic
     acids comprises attaching an adapter nucleic acid to a target nucleic acid
     to form a modified target nucleic acid, then contacting this modified
     nucleic acid with an array of at least 25 different addresses, each
     address contg. a different adapter probe. Further, a method for detecting
     target nucleic acids makes use of these immobilized target nucleic acids
     by providing a means of detecting the immobilized target mols. The use of
     adapter nucleic acids allows one to prep. "universal arrays", the capture
     probes of which can be modified by different adapter nucleic acids
     depending upon the use to which it is to be applied.
IT   402703-85-9 402704-05-6 402704-11-4
     402704-20-5 402704-41-0 402704-79-4
     402704-84-1 402704-87-4 402704-89-6
     403055-75-4 403055-95-8 403056-00-8
     403056-09-7 403056-29-1 403056-67-7
     403056-71-3 403056-74-6 403056-76-8

403062-46-4
RL: ARG (Analytical reagent use); PRP (Properties); ANST (Analytical
study); USES (Uses)
    (adapter or capture probe; adapter mols. and universal arrays and their
    use in detection of targets)

IT   **402710-49-0**
RL: PRP (Properties)
    (unclaimed sequence; adapter mols. and universal arrays and their use
    in detection of targets)

FILE 'HOME' ENTERED AT 10:53:04 ON 28 APR 2003